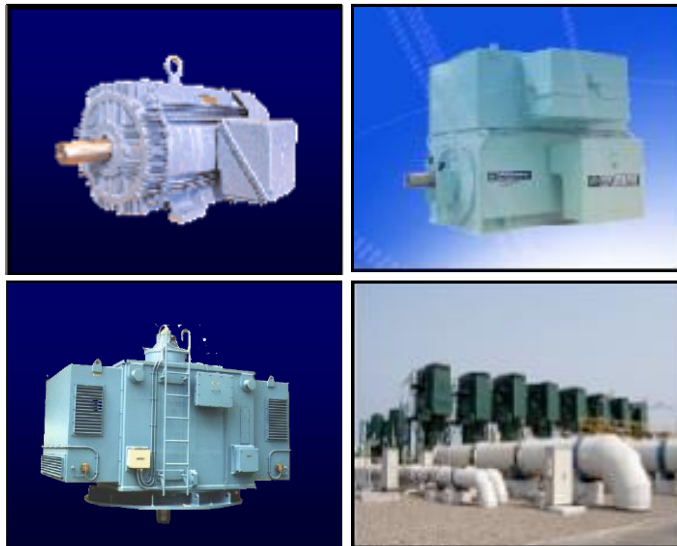


Customer :  
Project Name :  
Project No. :  
Revision No. :

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# SPECIFICATION for INDUCTION MOTOR



## Contents

- 1 . Data Sheet of AC Induction Motor - 1Sheets
- 2 . Speed-Torque & Current Curve - 1Sheets
- 3 . Outline Dimension Drawing - 1Sheets
- 4 . Main Terminal Box Drawing - 1Sheets

# AC INDUCTION MOTOR DATA SHEET

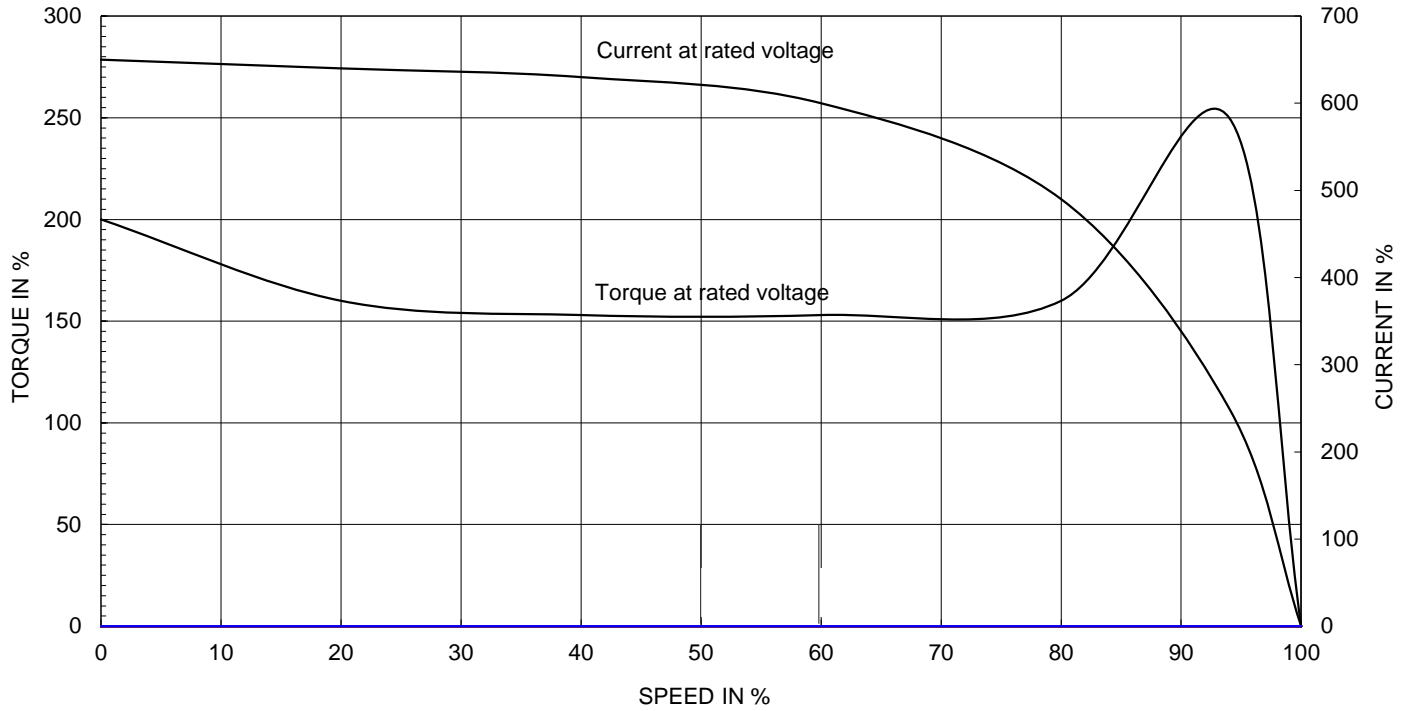
Model No.or RFQ No.	4406KSTD40SSDS1STFE3V11DL0SDS	Item No.		Rev. No.	[     ]					
Project Name		Project No.		Quantity						
GENERAL SPECIFICATION			PERFORMANCE DATA							
Frame Size	132S	Rated Output	7.5 kW	10 HP						
Type	HKP-7.5/2	Number of Poles	2							
Enclosure(Protection)	Totally Enclosed ( IP55 )	Rotor Type	Squirrel Cage							
Method of Cooling	IC411(FC)	Starting Method*	<input checked="" type="checkbox"/> D.O.L	<input type="checkbox"/> Y-Δ						
Rated Frequency	60 Hz	Rated Voltage	440 V							
Number of Phases	3	Current	Full Load	12.5 A						
Insulation Class	<input checked="" type="checkbox"/> F <input type="checkbox"/> B <input type="checkbox"/> H		Locked-rotor**	860 %						
Temp. Rise at full load (by resistance method)		Efficiency								
at 1.0 S.F	80 deg. C									
Motor Location	<input checked="" type="checkbox"/> Indoor <input type="checkbox"/> Outdoor									
Altitude	Less than 1000	50% Load		87.8 %						
Relative Humidity	Less than 80 %	75% Load		89.7 %						
Ambient Temp.	40 deg. C (Max.)	100% Load		90.2 %						
Duty Type	Continuous(S1)	Power Factor(p.u)								
Service Factor	1.15									
Mounting	<input type="checkbox"/> B3 <input type="checkbox"/> B5 <input checked="" type="checkbox"/> V1 <input type="checkbox"/> B3/B5									
Bearing	Type	Anti-Friction								
	DE/N-DE	6208ZZC3 / 6208ZZC3								
	Lubricant	Grease(Polyrex-EM)								
External Thrust	Not applicable									
Coupling Method	<input checked="" type="checkbox"/> Direct <input type="checkbox"/> V-Belt	Moment of Inertia (J)								
Shaft Extension	<input checked="" type="checkbox"/> Single <input type="checkbox"/> Double									
Terminal Box	Main					<input type="checkbox"/> Steel <input checked="" type="checkbox"/> Cast Iron	Load(Max.)		1.600 kg·m <sup>2</sup>	
	Aux.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Motor		0.019 kg·m <sup>2</sup>					
	Location	Refer to Outline Drawing								
Application		Sound Pressure Level (No-load & mean value at 1m from motor)								
Area classification	Not applicable	76 dB(A)								
Type of Ex-Protection	Non-Hazardous	Vibration								
Applicable Standard	KS, IEC, NEMA MG1 Part30(Vpeak)	1.6 mm/sec (r.m.s)								
<b>ACCESSORIES</b>										
						<b>SUBMITTAL DRAWING</b>				
						Outline Dimension Drawing		Motor Weight(Approx.)		
						V1	LM-T0131V1PL001	72 kg		
						Main T-Box Ass'y	3M-148549			
<b>REMARK</b>										
*.Premium Efficiency(IE3)										
*.For use on PWM VFD 10:1VT,3:1CT@1.0S.F&F Temp.rise										
<b>SPARE PARTS</b>										
					Date	DSND	CHKD	CHKD	APPD	
2018-04-25	R.G. KIM	-	O.J. KIM	S.K. HAN						

Note: Others not mentioned in this data sheet shall be in accordance with maker standard.  
 Above technical data are only design values and shall be guaranteed with tolerance of applicable standard.  
 Inspection and performance test shall be maker standard, if not mentioned.  
 \* In case of Inverter-Fed Motor, performance data is based on sine wave tests.  
 \*\* The data are based on rated voltage & frequency, and data are expressed as a percentage of full load value.

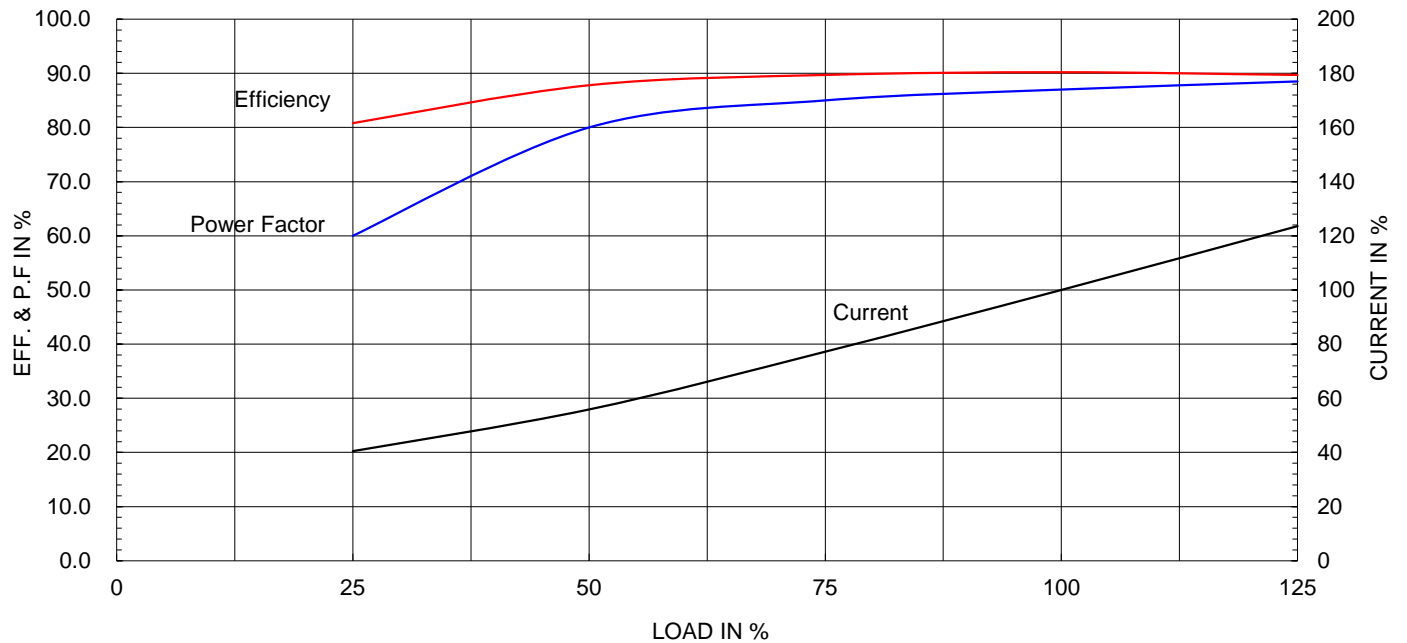
Type :	HKP-7.5/2	
Full Load Torque :	2.1	kg.m
Motor moment of Inertia (J) :	0.019	kg.m <sup>2</sup>
Load moment of Inertia (J) :	1.600	kg.m <sup>2</sup>

7.5 kW	2 P	60 Hz
Speed at Full Load :		3525 RPM
Rated Voltage	440V	
Full Load Current	12.5A	

SPEED VS TORQUE &amp; CURRENT CURVE



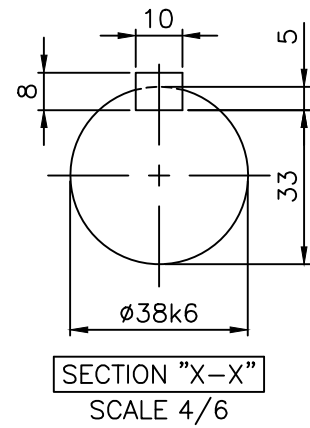
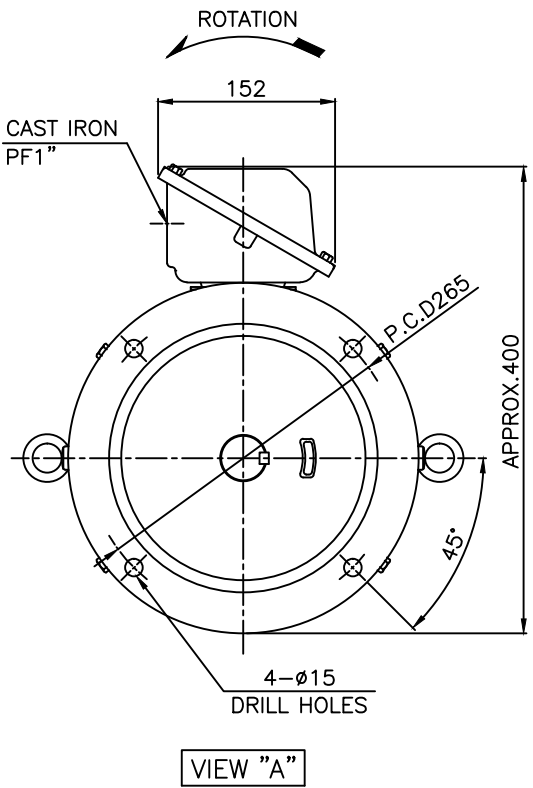
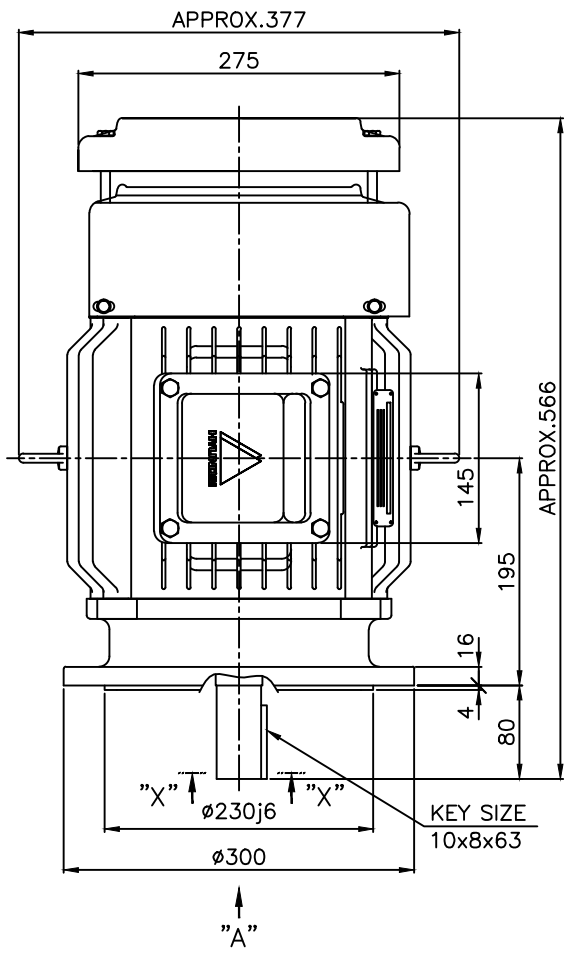
OUTPUT VS EFF., P.F &amp; CURRENT CURVE



본 도면은 현대일렉트릭(주) 재산이므로  
허가없이 복사할 수 없음 (취급주의)

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1	2	3	4					
▽	50S	REV	DATE	CONTENTS	REVD BY	CHKD BY	CHKD BY	APPD BY
▽▽	12.5S							
▽▽▽	3.2S							
▽▽▽▽	0.4S							



NOTE

1. TOLERANCE :

FLANGE HOLES	Ø15	+0.43 0
RABBET DIAMETER	Ø230	+0.016 -0.013
SHAFT DIAMETER	Ø38	+0.018 +0.002
KEYWAY WIDTH	10	0 -0.036
KEYWAY DEPTH	5	+0.2 0
KEY WIDTH	10	0 -0.036
KEY HEIGHT	8	0 -0.090

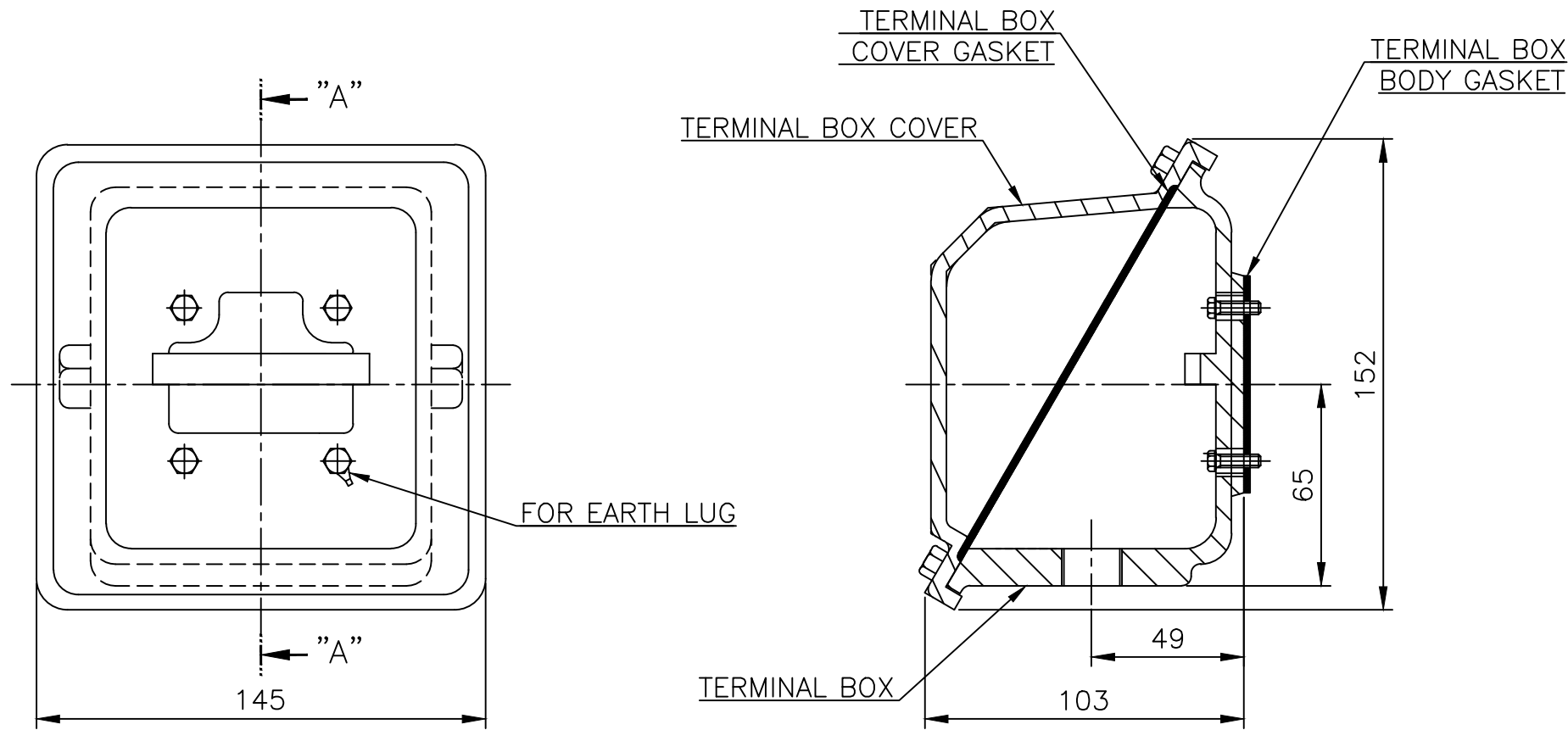
APPD BY	S.K.HAN	UNIT	mm	SUBJECT	KS, IEC Fr.132S(IE3, HK TYPE)	DWG SIZE	A4 ( 16 )
CHKD BY	S.Y.KIM	SCALE	1/6	TITLE	OUTLINE		
CHKD BY	R.G.KIM	PROJEC'N	3각법(3rd Angle)	REF. NO		Sheet No.	of
DSND BY	S.H.YUN	DATE	2018-09-19	DWG NO	LM-T0131V1PL001	Revision No.	0



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SEC. "A" - "A"

▽	50S
▽▽	12.5S
▽▽▽	3.2S
▽▽▽▽	0.4S

REV	DATE	CONTENTS	REVD BY	CHKD BY	CHKD BY	APPD BY

Q'TY	DESCRIPTION	MATERIAL	DIMENSION	WEIGHT	PART NO.	REMARK	NO.
APPD BY	S.K.HAN	UNIT	mm	SUBJECT	FR.100~132 (CAST IRON)	DWG SIZE	A3 ( 1:2 )
CHKD BY	S.Y.KIM	SCALE	1/2	TITLE	Terminal Box Arrangement		
CHKD BY	R.G.KIM	PROJEC'N	3각법 (3rd Angle)	REF. NO	227B8004CB	Sheet No.	of
DSND BY	H.K.LEE	DATE	2011-10-26	DWG NO	3M-148549	Revision No.	2

